



CONSTRUCTION EQUIPMENT

SPM595557 KOMATSU PC490LC-11 85277 - DIESEL ENGINE



Sample No: VCP415097
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595557



SAMPLE INFORMATION

Sample Number	VCP415097	VCP406078	VCP317776	---
Sample Date	12 Sep 2023	30 Mar 2023	30 Jun 2021	---
Machine Hours	0	2486	1908	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

JOHN KENO & CO
750 RICARD LN
ELK GROVE VILLAGE, IL
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OIL CONDITION

Visc @ 100°C	cSt	15.2	12.6	13.8	---
Base Number (BN)	mg KOH/g	9.7	8.6	---	---
Oxidation (PA)	%	50	76	78	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.1	0.7	0.8	---
Nitration (PA)	%	37	91	93	---
Sulfation (PA)	%	47	60	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	6	5	---
Sodium	ppm	1	2	2	---
Potassium	ppm	2	0	0	---



WEAR METALS

Iron	ppm	2	80	29	---
Copper	ppm	0	13	21	---
Lead	ppm	0	0	1	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	55	61	63	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1016	1151	1156	---
Magnesium	ppm	969	874	915	---
Zinc	ppm	1260	1198	1250	---
Phosphorus	ppm	1031	985	1022	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	2	10	---

Depot: JOHELK
Unique No: 10658028
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

